

Appl. No. 10/064,357
Amdt. dated July 18, 2006
Reply to Office action of May 18, 2006

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

5 Claim 1 (previously presented): A wireless mouse for a computer, the wireless mouse capable of being charged by an induction power device, the induction power device comprising:
a base with a flat-plate; and
a first induction coil installed corresponding to a position of the
10 flat-plate for transforming an electrical power of a power source
 to an induction magnetic field; and
the wireless mouse comprising:
a housing with a contact plane corresponding to the flat-plate;
a control key installed on the housing for generating a control signal
15 corresponding to a user's control;
a signal module electrically connected to the control key for
 transmitting the control signal through radio waves;
a second induction coil installed inside the housing corresponding to a
position of the contact plane for receiving the induction
20 magnetic field through the contact plane in a magnetic induction
 manner, an effective cross-sectional area of the second induction
 coil being smaller than an effective cross-sectional area of the
 first induction coil;
a power module electrically connected to the second induction coil for
25 transforming the induction magnetic field received by the second
 induction coil to a corresponding electrical power; and
a storage module for storing the electrical power generated by the

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power module so that the storage module is capable of providing the electrical power to the wireless mouse;
wherein when the contact plane of the wireless mouse is put on the flat-plate of the induction power device, the second induction coil of the wireless mouse receives the induction magnetic field generated by the first induction coil so that the wireless mouse is capable of being charged by the induction power device during use.

10 Claim 2 (previously presented): The wireless mouse of claim 1 wherein a first fixer is installed in the induction power device corresponding to the position of the flat-plate, and a second fixer is installed on the contact plane corresponding to the first fixer, and when the contact plane of the wireless mouse is put on the flat-plate of the induction power device, the first fixer brakes the second fixer so as to fix the position of the wireless mouse and make the position of the first induction coil align with the position of the second induction coil.

15 20 Claim 3 (previously presented): The wireless mouse of claim 2 wherein the first fixer is a magnet.

Claim 4 (previously presented): The wireless mouse of claim 2 wherein the second fixer is a magnet.

25 Claim 5 (previously presented): The wireless mouse of claim 1 being a wireless mouse.

Claim 6 (previously presented): The wireless mouse of claim 1 wherein the

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computer comprises a receiving module for receiving the radio control signal transmitted from the wireless mouse.

Claim 7 (withdrawn): A wireless earphone for a broadcast system, the broadcast system emitting a radio broadcast signal, the wireless earphone capable of being charged by an induction power device, the induction power device comprising:
5 a base with a flat-plate;
a first induction coil installed corresponding to a position of the
10 flat-plate for transforming an electrical power of a power source
to an induction magnetic field; and
a first fixer installed inside the base;
the wireless earphone comprising:
a housing with a contact plane corresponding to the flat-plate;
15 a signal module for receiving the radio broadcast signal of the
broadcast system and generating corresponding music signal;
a loudspeaker electrically connected to the signal module for playing
the music signal;
a second induction coil installed inside the housing corresponding to a
20 position of the contact plane for receiving the induction
magnetic field through the contact plane in a magnetic induction
manner;
a second fixer installed inside the housing for aligning the first
induction coil with the second induction coil;
25 a power module electrically connected to the second induction coil for
transforming the induction magnetic field received by the second
induction coil to a corresponding electrical power; and
a storage module for storing the electrical power generated by the

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power module so that the storage module is capable of providing the electrical power to the wireless earphone;
wherein when the contact plane of the wireless earphone is put on the flat-plate of the induction power device, the second induction coil of the wireless earphone receives the induction magnetic field generated by the first induction coil so that the wireless earphone is capable of being charged by the induction power device.

10 Claim 8 (canceled)

Claim 9 (withdrawn): The wireless earphone of claim 7 wherein the first fixer is a magnet.

15 Claim 10 (canceled)

Claim 11 (withdrawn): The wireless earphone of claim 7 further comprising a microphone for receiving speech sound of users and generating a corresponding sound signal.

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Claim 12 (withdrawn): The wireless earphone of claim 11 wherein the signal module is capable of transmitting the sound signal through radio waves, and the broadcast system is capable of receiving the radio sound signal.

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Claim 13 (withdrawn): The wireless earphone of claim 7 being a bluetooth wireless earphone.

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Claim 14 (currently amended): A wireless mouse capable of being charged by an induction power device, the induction power device comprising:

5 a base with a surface;
an induction coil installed corresponding to a position of the surface;
a magnet installed inside the base for aligning the induction coil of the
magnetoelectric device with an external induction coil; and
the wireless mouse comprising:
10 a housing comprising the external induction coil, the housing having a
contact plane corresponding to the surface, the external
induction coil having an effective cross-sectional area
substantially smaller than an effective cross-sectional area of the
induction coil.

15 Claim 15 (canceled)

Claim 16 (previously presented): The wireless mouse of claim 14 further comprising a power source coupled to the induction coil for supplying the induction coil with electrical power.

20 Claim 17 (previously presented): The wireless mouse of claim 14 further comprising:
a power module electrically connected to the induction coil for
transforming an induced magnetic field received by the induction
25 coil to corresponding electrical power; and
a storage module for storing the electrical power generated by the
power module.

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Claim 18 (previously presented): The wireless mouse of claim 14 further comprising:

- a control key installed on the housing for generating a control signal;
- and
- 5 a signal module electrically connected to the control key for transmitting the control signal through radio waves.

Claim 19 (withdrawn): The electronic device of claim 14 further

comprising:

- 10 a signal module for receiving radio broadcast signals and generating corresponding audio signals;
- a loudspeaker electrically connected to the signal module for playing the audio signals.

15 **Claim 20 (previously presented):** The wireless mouse of claim 1, wherein the contact plane is substantially smaller than the extents of the flat-plate such that the housing can be moved across the flat plate.

20 **Claim 21 (previously presented):** The wireless mouse of claim 20, wherein a width of the flat-plate is at least twice a width of the contact plane.

Claim 22 (previously presented): The wireless mouse of claim 14 further comprising a magnet installed inside the housing at a position corresponding to the magnet installed inside the base.

25 **Claim 23 (currently amended):** A wireless mouse for a computer, the wireless mouse capable of being charged while in use, the wireless mouse capable of being charged by an induction power device, the

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induction power device comprising:

- a base with a flat-plate;
- a first induction coil installed corresponding to a position of the flat-plate for transforming an electrical power of a power source

5 to an induction magnetic field;

the wireless mouse comprising:

- a housing with a contact plane adapted to be moved across the flat-plate, wherein a width of the contact plane is smaller than half a width of the flat-plate such that the housing can be moved

10 across the flat-plate;

- a second induction coil installed inside the housing corresponding to a position of the contact plane for receiving the induction magnetic field through the contact plane in a magnetic induction manner, an effective cross-sectional area of the second induction

15 coil being substantially smaller than an effective cross-sectional area of the first induction coil; and

- a power module electrically connected to the second induction coil for transforming the induction magnetic field received by the second induction coil into electrical power;

20 wherein when the contact plane of the wireless mouse is put on the flat-plate of the induction power device, the second induction coil receives the induction magnetic field generated by the first induction coil so that components inside the housing are capable of being powered during use.

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